



Follow-up to Monitoring Program Optimization Parcels B, D-1, G, and UC-2 Basewide Groundwater Monitoring Program

Hunters Point Naval Shipyard
Base Closure Team (BCT)
January 24, 2013



OBJECTIVES



- Refresh BCT understanding of previous monitoring program optimization effort in Parcels B, D-1, G, and UC-2
- Address BCT questions/comments on Navy's proposed recommendations to revise monitoring program and decommission wells
- Obtain BCT's final concurrence on Navy recommendations



HOW DID WE GET HERE?



- June 2012 Optimization Tech Memo and BCT review/concurrence. Actions implemented in 3Q2012.
 - Removed 11 wells from sampling list
 - Proposed 3Q12 confirmation sampling event in 7 wells (and 1 well in 1Q13)
 - Revised sampling frequency in 1 well
 - Deleted target analytes in some wells that are no longer of concern



HOW DID WE GET HERE?



- December 2012 Navy Submittals (email) to BCT
 - Results of 3Q12 confirmation sampling event (at 7 wells), with final Navy recommendations to remove these wells from sampling list
 - Summarized data objectives of all Parcel D-1 and G wells (sampling and/or depth to water [DTW] measurement)
 - Recommendations to remove selected wells from DTW measurement list
 - Recommendations to decommission selected wells that have no current or anticipated data objectives



HOW DID WE GET HERE?



- BCT Comments/Questions on Navy December 2012 Recommendations
 - Clarify rationale for recommendations
 - Request to not remove several wells from DTW list
 - Clarify PA50MW02A sampling history and criterion for removing from sampling list
 - Provide updated (3Q12) trend graphs for wells recommended to remove from sampling list-package
 - Provide figure showing DTW wells (existing and proposed for removing from DTW list)



RATIONALE FOR RECOMMENDATIONS



- Sampling List Revisions
 - Wells currently in BGMP are per CERCLA documents to address known/suspected contamination or evaluate GWTS effectiveness
 - Optimizations conducted to determine if data objectives remain current
 - Analytes below action levels and stable/reducing are removed
 - Redundant wells (not needed to monitor current plume) are removed



RATIONALE FOR RECOMMENDATIONS



- DTW Measurement List Revisions
 - Data objective is to evaluate basewide groundwater flow with emphasis on plume areas
 - Data include potentiometric surface maps and elevation data
 - Redundant wells (no substantial contribution to data objective) are removed



RATIONALE FOR RECOMMENDATIONS



- Well Decommissioning
 - Contamination in Parcels D-1 and G is limited and well-defined
 - Proposed DTW list is sufficient to evaluate flow conditions in both A- and B-Aquifers
 - Wells with no current or anticipated data objectives are recommended for decommissioning
 - Unused wells are an environmental liability or could be damaged or lost



SUPPORTING/NEW INFORMATION



- Updated trend graphs for wells recommended to remove from sampling list
- Figure showing current and proposed DTW wells, with potentiometric surfaces
- Summary table of wells in previous Navy submittals
 - All wells in one table for clarification
 - Incorporates BCT requests from BCT review
 - Minor revisions to previous Navy recommendations
- BGMP HPNS Portal is a great resource for analytical data (filtering, graphing, mapping) and for water level data (historical GW flow maps and time-series). Contact Bruce Rucker (CE2) to refresh access.



WHAT'S NEXT?



- BCT Concurrence with Navy Recommendations
 1. Confirm sampling and DTW list revisions to allow for 1Q2013 implementation (February)
 2. Confirm well decommissioning recommendations to allow for Parcel G Remedial Action to proceed without need to protect/raise/re-survey wells that are no longer needed (as soon as possible)